

April 11, 2008

The Honorable Charles Terreni Chief Clerk and Administrator Public Service Commission of South Carolina Post Office Drawer 11649 Columbia, South Carolina 29211

RE:

SCPSC Docket No. 2005-385-E

Responsive Testimony of B. Mitchell Williams

Dear Mr. Terreni:

Enclosed for filing in the above-referenced docket is the Responsive Testimony of B. Mitchell Williams on behalf of Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc.

Yours very truly,

Len S. Anthony

Deputy General Counsel - Carolinas

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LSA:mhm

cc:

Mr. John Flitter

All Parties of Record

BEFORE

THE PUBLIC SERVICE COMMISSION OF

SOUTH CAROLINA

DOCKET NO. 2005-385-E

Petition of the Office of Regulatory Staff to Establish Dockets to Consider Implementing the Requirements of Section 1251 (Net Metering) of the Energy Policy Act of 2005	CERTIFICATE OF SERVICE	
I, Len S. Anthony, hereby certify that I have placed copies of PEC's Responsive Testimony of witness B. Mitchell Williams in the U. S. Mail on this date, to the parties of record at the addresses shown below, with sufficient postage attached:		
Nanette Edwards, Esquire Office of Regulatory staff 1441 Main Street, Suite 300 Columbia, South Carolina 29201	Shannon Bowyer Hudson, Esquire Office of Regulatory staff 1441 Main Street, Suite 300 Columbia, South Carolina 29201	
Lawrence B. Somers Associate General Counsel Duke Energy Corporation Post Office Box 1244, PB05E Charlotte, North Carolina 28201	Richard L. Whitt, Esquire Austin, Lewis & Rogers, P.A. Post Office Box 11716 Columbia, South Carolina 29211	
Catherine E. Heigel, Counsel Duke Energy Carolinas, LLC Post Office Box 1006, EC03T Charlotte, NC 28201-1066	John F. Hardaway, Attorney at Law 1338 Pickens Street Columbia, SC 29201	
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K. Chad Burgess, Counsel South Carolina Electric and Gas Company 1426 Main Street, MC 130 Columbia, SC 29201

David O'Dell 154 Greybridge Road Pelzer, SC 29669 Elizabeth M. Smith 611 North Shore Drive Charleston, SC 29412

This the 11th day of April, 2008.

Len S. Anthony, General Counsel Progress Energy Carolinas, Inc.

BEFORE

THE PUBLIC SERVICE COMMISSION OF

SOUTH CAROLINA

DOCKET NO. 2005-385-E

April 11, 2008

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RESPONSIVE TESTIMONY OF

Staff to Establish Dockets to Consider) **B. MITCHELL WILLIAMS** Implementing the Requirements of ON BEHALF OF CAROLINA POWER AND Section 1251 (Net Metering and LIGHT COMPANY D/B/A PROGRESS ENERGY Additional Standards) of the Energy) CAROLINAS, INC. Policy Act of 2005) Q. MR. WILLIAMS, PLEASE STATE YOUR FULL NAME, BUSINESS ADDRESS AND POSITION OF EMPLOYMENT. My name is B. Mitchell Williams and my business address is 410 South Wilmington Street, A. Raleigh, North Carolina. I am employed by Progress Energy Service Company, LLC as Manager of Regulatory Affairs for Progress Energy Carolinas (PEC). MR. WILLIAMS, PLEASE SUMMARIZE BRIEFLY YOUR EDUCATIONAL BACKGROUND AND Q. EXPERIENCE. A. I graduated from North Carolina State University with a B.S. Degree in Agricultural Engineering in 1969. From 1969 to 1973 I was employed as an engineer in transmission and distribution engineering with Virginia Electric & Power Company. In 1973 I joined Carolina Power & Light Company (CP&L) and have since held a variety of positions in customer service, transmission engineering, system planning & operations, demand-side management (DSM), rates and regulatory affairs. I have held various leadership and management roles in regulatory affairs since 1996, currently serving as Manager of Regulatory Affairs. I have served on numerous

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IN RE: Petition of the Office of Regulatory

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industry groups and committees related to marketing, DSM, rates and regulatory affairs at the

Edison Electric Institute and the Southeastern Electric Exchange. I currently serve on the Board

of Directors of NC GreenPower and Palmetto Clean Energy. I am also a member of the Energy

Advisory Committee for the South Carolina Energy Office.

5 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?

A. The purpose of my testimony is to provide PEC's response to the testimony of Pamela Greenlaw,

Arno Froese, Frank Knapp, Jr., and Elizabeth M. Smith that was filed on March 28, 2008 in this

docket, and testimony of David Odell that was filed on March 31, 2008.

Pamela Greenlaw

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- 10 Q. MS. GREENLAW SUGGESTS THAT THE UTILITIES MAY BE ESTABLISHING UNNECESSARY

 11 REQUIREMENTS FOR POTENTIAL NET METERING CUSTOMERS. PLEASE RESPOND TO THE

 12 REQUIREMENTS SHE REFERENCES.
 - PEC's proposed net metering tariffs contain the minimal requirements necessary for PEC to safely integrate customer-owned generation into its system and ensure its non-net metering customers do not unduly subsidize those who choose to net meter. These tariffs are cost-based and only seek to recover the cost PEC incurs to provide electric service to net metering participants. Because a net metering customer causes PEC to incur additional metering-related costs to accommodate the special needs of customers selecting a net metering option the tariff includes a charge to recover this cost. It is appropriate to recover the cost of providing retail service to net metering customers under a tariff that recovers all costs incurred, including the transmission and distribution system used by the customer when his or her generation is not sufficient or available to meet his or her needs. Again, these are cost-based charges associated with serving these customers.

PLEASE RESPOND TO MS. GREENLAW'S COMMENTS REGARDING: (1) THE TRANSPARENCY OF PEC'S NET METERING TARIFF; (2) ZEROING OUT OF A CUSTOMER'S EXCESS GENERATION EACH YEAR WITHOUT COMPENSATION; AND (3) THE AMOUNT AND BASIS OF THE CHARGES IN THE TARIFF.

Ms. Greenlaw expresses concern with the selection of the on-peak and off-peak hours contained in PEC's time-of-use rates, which PEC proposes to use to both charge net metering customers and credit net metering customers. These hours reflect the times when PEC experiences peak electricity use on its system. The price signals in the tariff are designed to send pricing signals to customers that reflect the variance in PEC's cost of providing service and provide incentives to them to use less during the peak times. Unfortunately, the system peak usage times do not coincide with peak sunshine. PEC's winter peak occurs in the early morning, typically from 6 a.m. to 8 a.m., during hours when PV systems have little or no output; therefore, the utility avoids no generation due to the PV system.

Regarding her concern with the zeroing out of a customer's excess generation each year without compensation, PEC agrees with Ms. Greenlaw's testimony that in most of the installations at occupied residences, there will never be excess generation at year-end. This provision is included in the net metering riders to ensure that in the rare situation where net excess generation exists, PEC is not required to maintain records across multiple years. If a customer does install a system that produces a material amount of excess generation the customer can contract for PEC to purchase excess generation under the avoided cost rates.

Turning to Ms. Greenlaw's concerns with the fees and charges in PEC's proposed tariff, it appears she does not understand the charges to be assessed. The Basic Facilities Charge in Schedule RES-TOUD is \$9.60 and the Basic Facilities Charge in Schedule RES when coupled with the Metering Facilities Charge in Rider NME is \$6.50 plus \$3.10 or a total monthly charge of

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\$9.60. In both cases the monthly charge recovers the additional cost PEC will incur to provide time-of-use metering. This metering is required to accurately measure the impact of the PV system on PEC's grid.

Ms. Greenlaw expresses concern with demand charges when a net metering customer selects a time-of-use schedule. We hope Ms. Greenlaw understands that the Residential Time-of-Use Demand (R-TOUD) Schedule seeks to recover the same costs during the month as would be received under the standard flat rate residential tariff. That is the cost of the utility infrastructure built and maintained to serve that customer. It simply uses a rate design that more accurately reflects the cost PEC incurs to serve the customer on an hourly basis. The R-TOUD Schedule does offer participants more appropriate price signals that recognize that PEC's costs vary by season and time of day, therefore, if load can be shifted from high cost times to low cost times, the customer can reduce the utility's cost and their monthly bill. PEC's rate design includes both a demand charge that seeks to recover primarily the infrastructure cost of producing and delivering electricity to the customer (i.e., generation, transmission and distribution facilities), and energy charges that recover primarily fuel and related costs required to produce the kilowatt hours (kWh) being consumed by the customer. To the extent the customer reduces his or her peak demand, PEC avoids the need for generation, transmission and distribution facilities and the customer receives a lower bill. The inclusion of a demand charge in a tariff design is well founded in pricing theory and is an appropriate way to align rates with actual cost causation.

Q. MS. GREENLAW RECOMMENDS THAT: (1) THE FACILITIES CHARGE SHOULD BE IDENTICAL TO
THOSE IMPOSED FOR CUSTOMERS IN CLASSES OF SIMILAR TYPE AND POWER NEEDS; (2)
DEMAND CHARGES SHOULD BE ELIMINATED; (3) DESIGNATION OF ON-PEAK AND OFF-PEAK
HOURS SHOULD BE THE SAME FOR ALL POWER CUSTOMERS WITHIN THE JURISDICTION OF

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THE SAME UTILITY; (4) UTILITIES SHOULD CREDIT GENERATORS FOR NET EXCESS GENERATION ONE-FOR-ONE AT THE RETAIL RATE UNDER A FLAT RATE SYSTEM; AND (5) UTILITIES SHOULD PURCHASE NET EXCESS GENERATION AT THE END OF A BILLING YEAR. ARE THESE CHANGES TO PEC'S PROPOSED NET METERING RIDERS APPROPRIATE?

No. Both of PEC's net metering proposals charge the same monthly Basic Facilities Charge to all customers requiring a time-of-use meter; therefore, her first recommendation is already satisfied. Her recommendation to eliminate demand rates is also already resolved by the Commission's earlier decision that allows customers to continue to receive service under the standard fixed rate tariff, without demand charges, assuming one is applicable to their load requirement. Her third recommendation is also fully met, except the nonresidential on-peak period in the summer months of April through September ends at 9 p.m., while the on-peak period for nonresidential customers extends to 10 p.m. If the intent of her recommendation is to adopt the summer on-peak period year-round, this is inappropriate since it would fail to recognize that PEC's winter peak occurs in the early morning, not late afternoon. PEC's proposal also meets her fourth recommendation if the customer elects the flat rate option, to the extent the customer's generation reduces normal purchases from PEC. By reducing normal purchases from the utility, the customer will avoid purchasing that power at the full tariff rate. Under this net metering option, any net excess generation that flows to the utility grid would be credited at the utility's avoided energy cost. The Commission has ruled that the rates contained in the Cogeneration and Small Power Producer Schedule CSP appropriately value energy delivered to the grid; therefore, paying a credit in excess of these avoided cost rates results in a subsidiary by other ratepayers. Her final recommendation involves offering a credit or future benefit for any excess net generation that exists at year-end. While PEC believes that such a situation would be rare, if it does occur the customer generator can always enter into a purchase arrangement

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under Schedule CSP to be compensated for this excess generation; therefore, this should not be a problem with the current rate design.

ARNO FROESE

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4 MR. FROESE SUGGESTS THAT THE PUBLIC SERVICE COMMISSION SHOULD TAKE IMMEDIATE Q. 5 STEPS TO ENCOURAGE CITIZENS THROUGHOUT THE STATE TO PRODUCE GREEN POWER 6 "WHETHER HYDRO, SOLAR, WIND OR OTHER." DOES PEC CONCUR WITH THIS SUGGESTION? 7 PEC believes that the Commission has already undertaken the appropriate steps to encourage A. 8 customer-owned generation by the adoption of standard interconnection practices, approval of 9 avoided cost rates appropriate for the purchase of customer-produced generation and the 10 consideration of net metering options. These tariffs have been designed to minimize subsidies 11 by other ratepayers and ensure that the customer/generator receives the benefit of all cost 12 avoided by the utility due to the installation of the customer's generation. PEC believes that the 13 introduction of the Palmetto Clean Energy Rider PaCE will also increase citizen awareness of 14 green power and help facilitate green power growth in South Carolina.

FRANK KNAPP, JR.

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- Q. MR. KNAPP NOTES SEVERAL AREAS OF CONCERN WITH NET METERING PROGRAMS. PLEASE RESPOND TO HIS CONCERNS.
 - A. Mr. Knapp primarily cites the report "Freeing the Grid" published by the Network for New Energy Choices, Interstate Renewable Energy Council, The Vote Solar Initiative, and the Solar Alliance and examples offered by the North Carolina Sustainable Energy association as the basis for many of his concerns. PEC's net metering proposals adequately address all of the concerns he notes, except PEC's net metering tariffs are limited to 20 kW for a residential applicant and 100 kW for a nonresidential applicant. This doesn't mean that larger installations aren't permitted; they just wouldn't automatically be addressed by the tariff. PEC sought this limit

until it gained more experience with customer-owned generation to be certain unexpected costs or safety impacts weren't incurred. Larger installations also present standby service issues that are not applicable to smaller installations. PEC will negotiate appropriate rate treatment with all larger installations, consistent with the approved net metering tariffs.

MR. KNAPP EXPRESSES HIS CONCERN THAT IT IS NOT APPROPRIATE TO MODEL A SOUTH CAROLINA NET METERING PROGRAM AFTER NORTH CAROLINA BECAUSE NORTH CAROLINA ONLY HAS ONE COMMERCIAL NET METERING CLIENT AS OF MARCH 24, 2008 AND THE INTERSTATE RENEWABLE ENERGY COUNCIL RATES NORTH CAROLINA'S NET METERING PROGRAM WITH A GRADE OF "F". PLEASE RESPOND TO THESE CONCERNS.

Mr. Knapp and the Interstate Renewable Energy Council report fail to recognize the influence of the NC GreenPower program on rate options available to customer generators. The NC GreenPower program provides a significant financial incentive to encourage customers to sell all of the generator output to PEC, rather than net meter. In fact, the NC GreenPower program reports that more than 150 PV installations were participating in their program at the end of March 2008.

Interest in customer-owned generation is increasing in North Carolina. In its annual report to the North Carolina Utilities Commission for customer generator activities in 2006, PEC reported a single PV installation that was interconnected and a single landfill gas-powered generator installation. In its 2007 report, 26 residential and 8 nonresidential installations were cited. While it is true that PEC only serves one of these accounts under its net metering rate option, the reason is because it is more financially lucrative for the customer to sell all of the generator output to PEC and participate in the NC GreenPower program rather than consuming the power under a net metering rate option. PEC believes that its North Carolina net metering rate option

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appropriately meets its customers' needs and fosters the installation of renewable generation resources.

ELIZABETH M. SMITH

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- 4 Q. MS. SMITH INDICATES THAT SHE BELIEVES CUSTOMERS HAVE EXPRESSED LIMITED INTEREST
 5 IN TIME-OF-USE TARIFFS. HASN'T PEC REALIZED SIGNIFICANT INTEREST FROM ITS
 6 CUSTOMERS IN TIME-OF-USE TARIFFS?
- PEC has found that time-of-use tariffs are attractive to customers that can actively shift usage 7 A. 8 from on-peak hours to off-peak hours by the use of time clocks or manually deferring the use of 9 certain electric appliances to off-peak hours. PEC has offered time-of-use rate options since the 10 1970s and has determined that the majority of residential customers prefer the time-of-use 11 schedule that includes a demand charge. As of the end of 2007, PEC served 2,163 of its 12 residential customers under its Residential Service Time-of-Use Demand Schedule R-TOUD and 13 58 residential customers under its Residential Service Time-of-Use All-Energy Schedule R-TOUE. 14 As the participation rates show, a time-of-use tariff with a demand rate has been well accepted 15 by PEC customers and is greatly preferred over an all-energy rate design.
- Q. MS. SMITH RECOMMENDS THAT CUSTOMERS BE GIVEN A CHOICE OF RATES ONE A TIME-OFUSE RATE AND THE OTHER THE OPTION TO NET METER WITH THE EXISTING RATE. HASN'T
 THE COMMISSION ALREADY DIRECTED THE UTILITIES TO OFFER THESE TWO OPTIONS?
- 19 A. Yes, PEC has proposed two net metering tariffs. The first requires the use of a time-of-use tariff
 20 with demand rates while the second allows the customer to continue service under an existing
 21 flat rate tariff.
- Q. MS. SMITH SEEMS TO BELIEVE THAT NORTH CAROLINA HAS ABANDONED ITS CURRENT NET

 METERING PATH AND REPLACED IT WITH A RENEWABLE PORTFOLIO STANDARD. IS THIS

 CORRECT?

No. The North Carolina General Assembly's establishment of a renewable portfolio standard (RPS) is in addition to its support for net metering. North Carolina's promotion of customerowned generation has evolved over many years as the renewable generation industry has standardized its equipment and utilities have gained experience safely coordinating customerowned generation with the utility grid. The first step in this evolution was the adoption of avoided cost rates in response to PURPA requirements in the 1980s. Similar to actions taken by this Commission, the North Carolina Utilities Commission took appropriate actions to introduce avoided cost tariffs in the 1980s to promote customer-owned generation. In 2004, the North Carolina Utilities Commission approved standard interconnection processes for all utilities in the state to further simply customers' ability to install generation. A similar interconnection tariff was approved by this Commission. The North Carolina Utilities Commission also began an evaluation of net metering options which culminated in the adoption of a Net Metering Rider in 2006. In 2007, the North Carolina General Assembly, as part of a comprehensive energy bill, approved a Renewable Portfolio Standard requirement for all utilities. The North Carolina General Assembly and the North Carolina Utilities Commission have added a Renewable Portfolio Standard as another policy to encourage renewable generation. The RPS, coupled with net metering, NC GreenPower, avoided cost tariffs and small generation interconnection standards all provide a comprehensive set of options to encourage renewable generation.

DAVID ODELL

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Q. MR. ODELL ALLEGES THAT THE CURRENT UTILITY NET METERING PROPOSALS ARE LACKING IN
TWO RESPECTS. HE FIRST STATES THAT EVERY ADDITIONAL FIXED MONTHLY CHARGE
REDUCES THE GENERATING SYSTEM COST EFFECTIVENESS. HE ALSO STATES THAT THE
PROPOSED FLAT-RATE TARIFF CREDITS EXCESS GENERATION AT ON-PEAK AND OFF-PEAK

1	AVOIDED COST RATES, RATHER THAN THE FULLY LOADED TARIFF RATE, FURTHER REDUCING
2	THE COST-EFFECTIVENESS. DOES PEC AGREE WITH MR. ODELL?

While it is obviously true that any charge paid by a customer generator to the utility will reduce the cost-effectiveness of the PV system, it is inappropriate for the utility to incur costs to serve the net metering customer and then to shift these additional costs to other ratepayers so that the PV operation is more profitable. Assignment of cost recovery based upon "cost causation" is a basic tenet of ratemaking and is reflected in all utility rate designs. PEC's proposed net metering tariffs appropriately balance cost causation in its rate design to ensure that net metering customers receive adequate service at a reasonable rate without shifting costs to non-participants. If customers were to receive the full retail tariff rate as a credit for excess generation, the customer would be paid much more than the energy he or she produces is worth. PEC's retail rates are designed to recover all of its costs: generation, transmission and distribution. A net metering customer's generation does not allow PEC to avoid any transmission or distribution costs.

MR. ODELL STATES THAT UNDER THE FLAT RATE OPTION THE PROPOSED TARIFF WORKS

AGAINST PEAK-SHAVING BENEFITS SINCE CUSTOMERS WILL BE ENCOURAGED TO WASH

DISHES OR CLOTHES IN THE DAY TO COINCIDE WITH THE MAXIMUM OUTPUT FROM THEIR PV

SYSTEM. DOES PEC BELIEVE THAT ITS RATE DESIGN WOULD ENCOURAGE THIS REACTION?

Mr. Odell's comment is more a condemnation of flat rates that fail to recognize utility peaks

than of the net metering proposal. One could argue that this could be solved by requiring the

use of a time-of-use tariff, as originally proposed by the utilities. The primary cause of PEC's

naturally increase to coincide with increased production from their PV system therefore there

summer peak is increased air conditioning that most customers don't want to defer because of a

decline in comfort. To the extent PV customers have air conditioning, their summer load would

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shouldn't be significant excess generation. Of course this will vary dependent upon the size of the generation system and the individual customer's electrical appliances and schedule. As PEC gains experience with PV residential installations, excess generation can be reviewed to verify that the rider fairly compensates the net metering customer for their impact on PEC's system and ultimately other ratepayers.

MR. ODELL DISCUSSES THE BENEFITS TO ALL RATEPAYERS OF PV INSTALLATIONS SINCE,
SIMILAR TO ENERGY EFFICIENCY IMPACTS, THEY WILL REDUCE THE NEED FOR UTILITY
INVESTMENT. DO YOU AGREE WITH HIS CONCLUSION?

Not entirely. While the effect on the utility's load may be similar, most energy efficiency measures have a more beneficial impact because, unlike PV systems, any reduction in usage will most likely coincide with the utility peak. PV systems are dependent upon the hours with maximum sunlight, which don't always coincide with the utility peak. Also energy efficiency measures like added insulation or weather-stripping typically reflect permanent changes to a customer's structure that, unlike PV systems, won't change on cloudy days or if the PV system breaks. Because they are permanent changes, PEC can permanently reduce its facilities.

For illustrative purposes, I have created charts of PEC's summer and winter peak to show how PEC's load varies throughout the day and by season. I have also included the corresponding output from a PV system to contrast the output of the PV system to the system peak. The

output of the PV system was obtained from the NC Solar Center at North Carolina State

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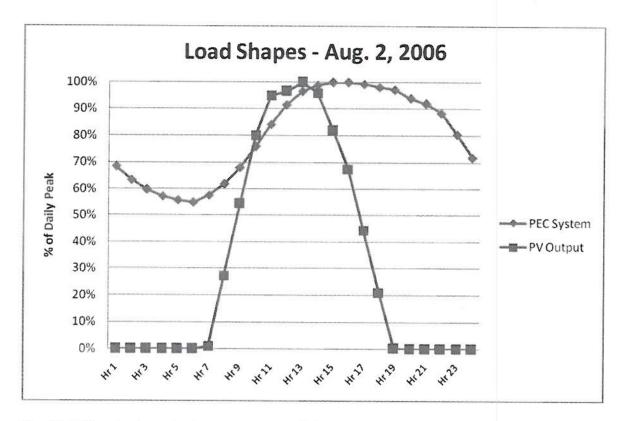
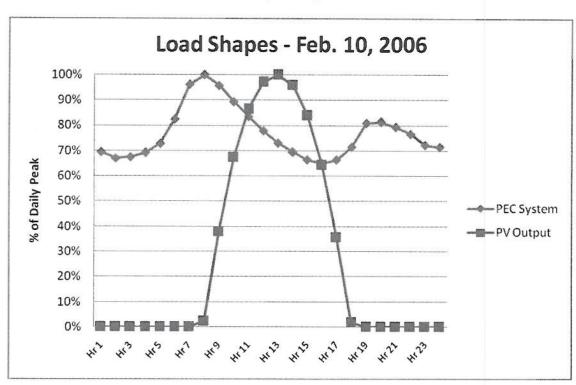


Chart 1: PEC and solar output on a summer peak day



4 Chart 2: PEC and solar output on a winter peak day

As shown in Chart 1, the solar system's output peaks at approximately 3 p.m. and declines thereafter. This differs from the utility peak that reaches its maximum value from 5 to 6 p.m. as people arrive at home from their jobs. Chart 2 illustrates PEC's winter peak which typically occurs from 6 to 8 a.m. when little or no PV output is available. While there is clearly a beneficially effect on the utility's peak from the PV system in the summer, it is not as great as realized with energy efficiency and conservation measures that more closely correlates to the utility peak.

- IN REFUTING UTILITY CONCERNS WITH CROSS-SUBSIDIZATION BY OTHER RATEPAYERS OF COSTS INCURRED TO SERVE NET METERING CUSTOMERS, MR. ODELL ARGUES THAT NET METERING IS NO DIFFERENT THAN ENERGY EFFICIENCY WHERE THE CUSTOMER IS NOT CHARGED ANY SPECIAL PAYMENTS TO ADDRESS THEIR REDUCED CONTRIBUTION TO FIXED COSTS. IS THIS A VALID COMPARISON, AND IF NOT, WHY?
- It is not a valid comparison. First, when customers implement energy efficiency measures the customer realizes lower consumption and a reduced bill while the utility realizes a reduction in peak requirement and a corresponding long-run reduction in the need for infrastructure. There is no additional investment in metering required to accommodate the customer implementing energy efficiency and no back-feed of excess power because the measure doesn't coincide with the customer's consumption. Standby power considerations aren't applicable because the measure isn't impacted by weather conditions or equipment issues. While both a PV system and an energy efficiency measure reduce power normally provided by the utility, the impact and costs created by each approach are totally different.
- Q. MR. ODELL STATES THAT THE MINIMAL EXCESS GENERATION FROM A PV SYSTEM DOESN'T

 JUSTIFY A DUAL METER APPROACH. DOES PEC AGREE?

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PEC can't comment on how much excess generation would be produced because it totally depends upon the customer's decisions when sizing the PV system and consuming power, but all indications are that there will be a minimal back-feed to the utility from most customers. If a customer doesn't seek credit for the small amount of excess electricity that could flow back to the grid, PEC will allow them to remain under their current tariff, without any additional charges. They would still need to go through the interconnection process to ensure safe operation and PEC would place detents in their metering to ensure they were not charged for any excess generation output. This is no longer a net metering application, but is acceptable to PEC if it better meets the customer's needs.

MR. ODELL STATES THAT THE USE OF VOLUNTARY CONTRIBUTIONS TO PROVIDE INCENTIVE FOR RENEWABLE GENERATION AS SEEN WITH THE PALMETTO CLEAN ENERGY (PACE) PROGRAM IS A FLAWED APPROACH. DOES PEC AGREE?

No. PEC's experience with the NC GreenPower program has been excellent as the number of PV installations has increased from nearly zero to over 150 in the past year, in spite of the fact that PV systems costs thousands of dollars, and even with federal and state tax credits will take a long time to be cost effective based upon the cost of electricity alone. Promotion of renewable generation is not an overnight solution where a single action can instantly create a market. The steps this Commission has already taken to address interconnection standards, avoided cost rates and now net metering will work in the long run to promote renewable resources. Technological changes are also occurring to help drive down the entry cost for customer-owned generation. I'm certain Mr. Odell would appreciate a quick solution that would instantly create a market for his business, but this should not be done by unfairly shifting costs incurred in providing the net metering service to other ratepayers. Mr. Odell should also remember that

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- decisions made today by the Commission can always be revised at a later date as the utilities
- 2 gain experience with customer-owned small generators.
- 3 Q. DOES THIS CONCLUDE YOUR TESTIMONY?
- 4 A. Yes.

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